Nova Scotia
Department of
Mines and Energy

Report 85-4

DRILLING LOGS

OF

GOVERNMENT CORE DRILLS

1984

compiled by

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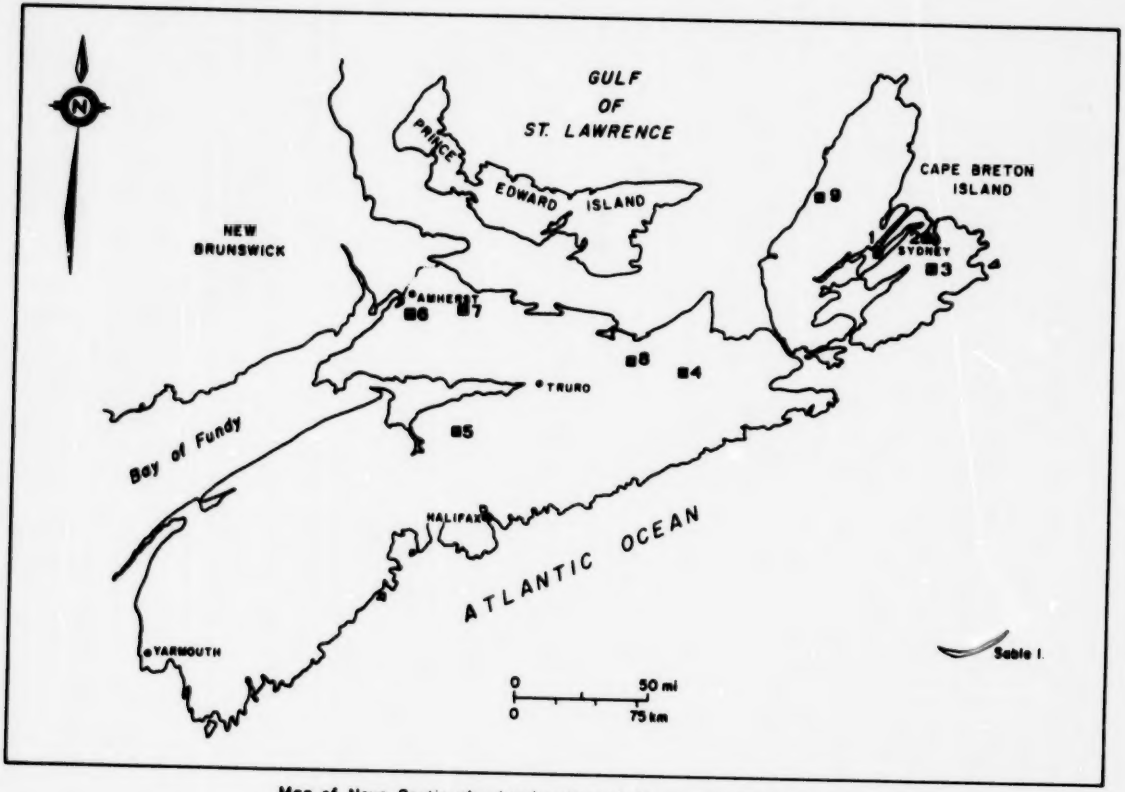
Halifax, Nova Scotia
1985



Map of Nova Scotia showing location of figures 1 to 9 inclusive

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DRILLING LOGS OF GOVERNMENT CORE DRILLS 1984

Ian MacDougall[1] and D. E. Polley[2]

During the year 1984, the drills were used exclusively on Nova Scotia Department of Mines and Energy projects. The projects included drilling for Carboniferous studies at Kempt Head, Victoria County and Point Edward, Cape Breton County; for Carboniferous studies and celestite at Woodbine Road, Cape Breton County; for geological information at College Grant, Antigonish County and Clarksville, Hants County; for coal at Roslin and in the Springhill-Salt Springs area, Cumberland County and Thorburn, Pictou County and St. Rose, Inverness County. There were 20 holes drilled totalling 5673.6 metres.

The following data are taken from drillers' logs. Exceptions, when condensed geologists' logs are used, are noted in the text. All measurements in this report are in metres.

The authors would like to express appreciation to Mrs. Lois Tower and Ms. Jennifer Bates for their assistance in the preparation of this report.

KEMPT HEAD, VICTORIA COUNTY

At Kempt Head, Victoria County one hole was drilled for Carboniferous studies. The work was done from April 27 to October 1, 1984. The hole was drilled vertically for 946.2 m and then abandoned due to breakage of the drill rods. The hole is located by Map Reference 11K/02A,Tract 66, Claim P. The surveyed location is on file with the Nova Scotia Department of Mines and Energy (Fig. 1).

Record No. 7666

Borehole No. KH-1

Strata	Thickness (m)	Total Depth (m)
Sandstone, brown	6.4	6.4
Sandstone, brown and grey	20.8	27.2
Sandstone, grey	69.0	96.2
Limestone, grey	8.0	104.2
Shale, grey	8.0	112.2
Limestone, grey	23.0	135.2
Limestone, shale, gypsum and clay	4.0	139.2
	5.0	144.2

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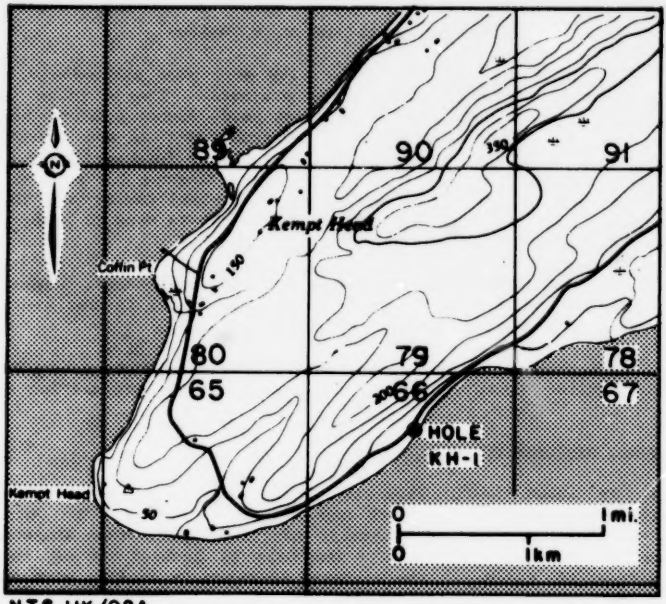


NTS 11K/02A

Figure 1. Kempt Head, Victoria County.

Limestone and clay, grey	21.0	165.2
Shale, red	9.0	174.2
Anhydrite and shale, grey and red	66.0	240.2
Limestone and anhydrite, grey	18.0	258.2
Shale, grey and red	18.0	276.2
Shale and anhydrite, red and grey	18.0	294.2
Anhydrite, grey	105.0	399.2
Anhydrite, limestone and shale, grey	31.8	431.0
Salt	26.2	457.2
Anhydrite, grey	9.0	466.2
Anhydrite, limestone	18.0	484.2
Limestone and salt	15.0	499.2
Salt and shale, red	18.0	517.2
Salt, red	54.0	571.2
Salt and shale, red and grey	48.0	619.2
Salt and shale, red	15.0	634.2
Salt and shale, red and grey	54.0	688.2
Salt, shale and anhydrite, grey	45.0	733.2
Salt, clear	12.0	745.2
Salt or potash, red	12.0	757.2

Salt and anhydrite, grey	42.0	799.2
Salt, clear	21.0	820.2
Salt and anhydrite, grey	21.0	841.2
Anhydrite, grey	36.0	877.2
Anhydrite, salt stringers, grey	36.0	913.2
Anhydrite, grey	33.0	946.2

POINT EDWARD, CAPE BRETON COUNTY

From October 2 to November 9, 1984 a Nova Scotia Department of Mines and Energy drill was used to drill one hole at Point Edward, Cape Breton County. The purpose of drilling was for Carboniferous studies. The surveyed location of the hole is on file with the Nova Scotia Department of Mines and Energy. The hole is vertical, 448.5 m in depth, and is located by Map Reference 11K/01D, Tract 60, Claim J (Fig. 2).

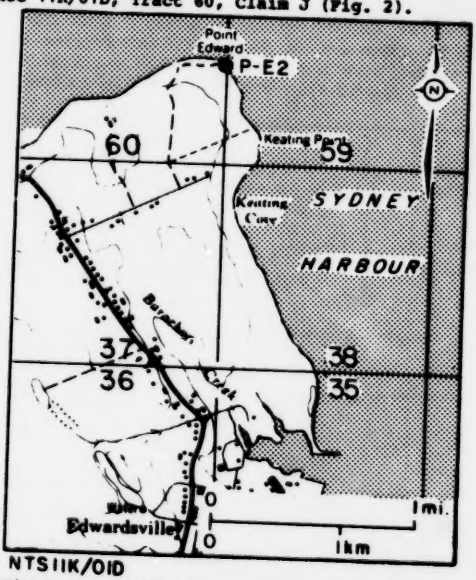


Figure 2. Point Edward, Cape Breton County.

Record No. 7667

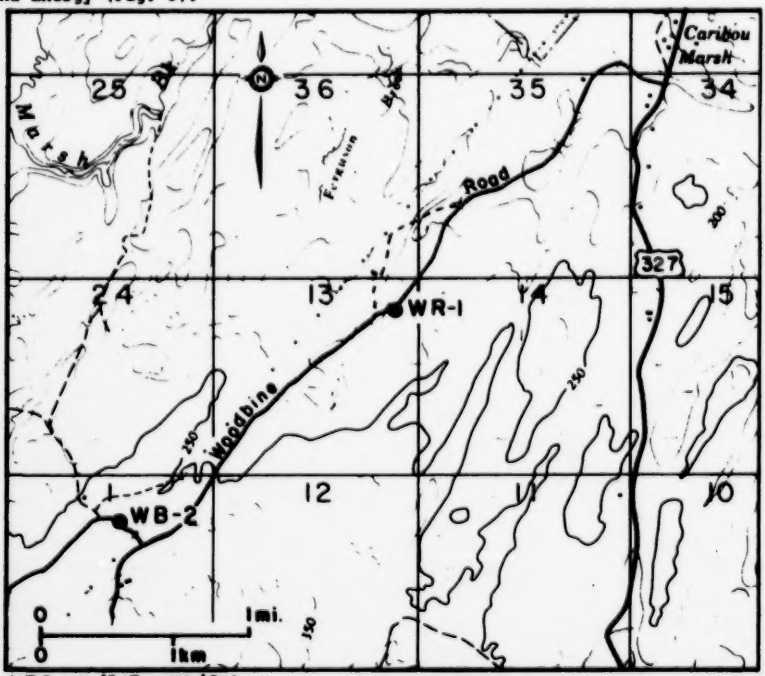
Borehole No. PE-2.

Strata	Thickness (m)	Total Depth (m)
Overburden	7.1	7.1
Shale, red and grey	114.4	121.5

Shale, grey	45.0	166.5
Anhydrite, grey	12.0	178.5
Sandstone and anhydrite	33.0	211.5
Sandstone and shale, sandy	12.0	223.5
Conglomerate and shale, red	54.0	277.5
Conglomerate, grey	18.0	295.5
Conglomerate, grey and red	27.0	322.5
Conglomerate, shale, red and grey	69.0	391.5
Shale, red	21.0	412.5
Conglomerate	36.0	448.5

WOODBINE ROAD, CAPE BRETON COUNTY

Drilling was done by the Nova Scotia Department of Mines and Energy in the Woodbine Road area. Hole No. WR-1 was drilled from Feb. 24 to April 19, 1984 for Carboniferous studies. Hole No. WR-2, located approximately 2.5 km southwest of No. WR-1, was drilled from Sept. 24 to Oct. 10 for celestite. Both holes were drilled vertically. The surveyed locations of the holes are on file with the Nova Scotia Department of Mines and Energy (Fig. 3).



NTS 11K/01B; 11K/01A

Figure 3. Woodbine Road, Cape Breton County.

Record No. 7668

Borehole No. WR-1 is located by Map Reference 11K/01A, Tract 13, Claim Q.

Strata	Thickness (m)	Total Depth (m)
Overburden	21.3	21.3
Shale, red and grey	42.9	64.2
Shale and mudstone, grey and black	36.0	100.2
Gypsum and limestone, grey	36.0	136.2
Anhydrite, shale and limestone, grey	18.0	154.2
Anhydrite, sandstone, and limestone, grey and red	54.0	208.2
Sandstone and shale, grey and red	18.0	226.2
Sandstone and shale, grey and red	18.0	244.2
Shale and anhydrite	90.0	334.2
Anhydrite, shale and conglomerate, grey and red	18.0	352.2
Anhydrite, limestone and shale	15.0	367.2
Shale, grey and red	33.0	400.2
Conglomerate, red	126.0	526.2
Shale and mudstone, grey and red	18.0	544.2
Shale and sandstone	18.0	562.2
Conglomerate and mudstone, red	30.0	592.2
Conglomerate	7.0	619.2

Record No. 7669

Borehole No. WR-2 is located by Map Reference 11K/01B, Tract 1, Claim P.

Strata	Thickness (m)	Total Depth (m)
Overburden	23.0	23.0
Red clay, sand and mudstone	24.0	47.0
Gypsum, grey	22.0	69.0
Limestone, grey	7.0	76.0
Conglomerate, red and grey	4.0	80.0
Mudstone, red and grey	13.0	93.0
Anhydrite, grey	12.0	105.0
Clay and limestone, red grey	18.0	123.0
Clay and sand, red and grey	15.0	138.0
Mudstone and conglomerate, red and grey	15.0	153.0

COLLEGE GRANT, ANTIGONISH COUNTY

The Nova Scotia Department of Mines and Energy began a drilling program at College Grant, Antigonish County in October, 1983. Three holes were drilled in 1983. A fourth hole, No. LC-4, was completed April 3, 1984. The hole was drilled on an angle of 45° on a true bearing of 352°

and is located by Map Reference 11E/08D, Tract 21, Claim L. The surveyed location of the hole is on file with the Nova Scotia Department of Mines and Energy (Fig. 4).

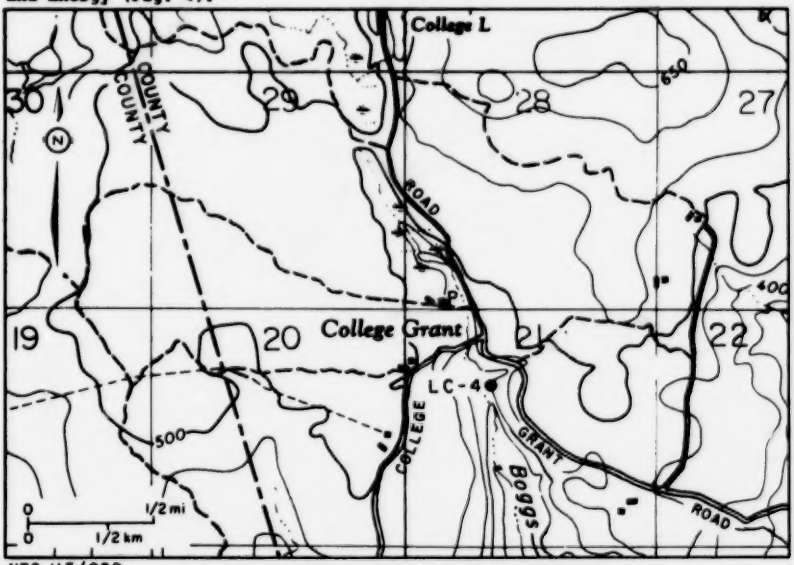


Figure 4. College Grant, Antigonish County.

Record No. 7670

Borehole No. LC-4

Strata	Thickness (m)	Total Depth (m)
Overburden	15.5	15.2
Diabase	37.5	52.7
Diabase and clay	1.0	53.7
Diabase and limestone	14.8	68.5
Diabase	144.8	213.3
Limestone	65.5	278.8
Siltstone, red	9.2	288.0

CLARKSVILLE, HANTS COUNTY

Drilling was done at Clarksville, Hants County from October 11, 1984 to January 29, 1985. One hole was drilled to a depth of 646.5 m but was discontinued when drilling problems were encountered. The casing was left in the hole so that other tests can be done if required. The purpose

of drilling was for geological information. The hole was drilled vertically and is located by Map Reference 11E/04B, Tract 75, Claim E. The surveyed location of the drillhole is on file with the Nova Scotia Department of Mines and Energy (Fig. 5).

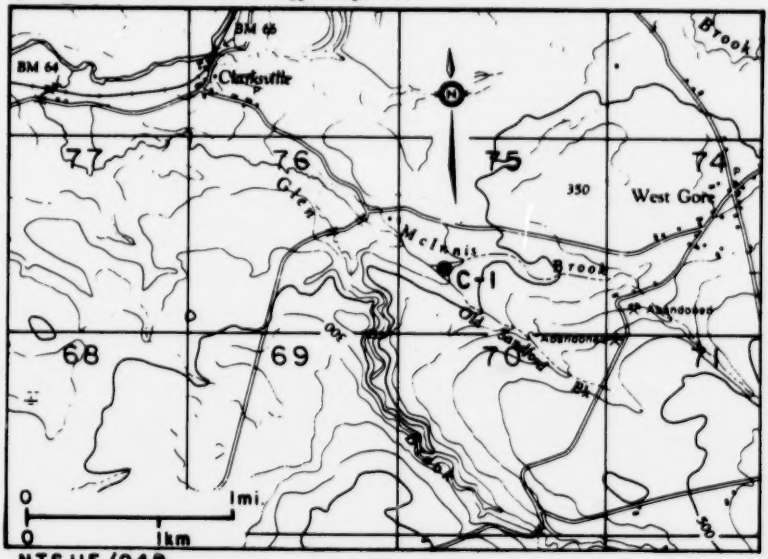


Figure 5. Clarksville, Hants County.

Record No. 7671

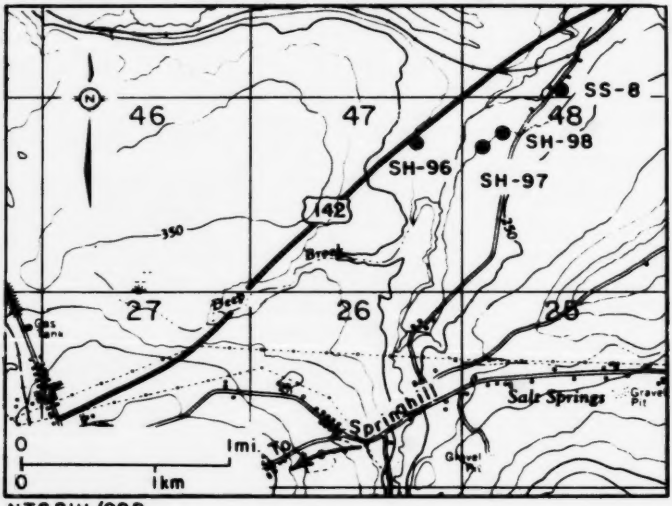
Borehole No. C-1

Strata	Thickness (m)	Total Depth (m)
Overburden	10.0	10.0
Shaly sandstone	1.0	11.0
Clay and sandstone, grey	15.0	26.0
Shale, black	15.0	41.0
Slate, black and grey	33.0	74.0
Slate and quartz	18.0	92.0
Slate	9.0	101.0
Slate, black and grey, quartz stringers	54.0	155.0
Slate with seams of white quartz	102.0	257.0
Slate, black	389.5	646.5

SALT SPRINGS, CUMBERLAND COUNTY

Four holes were drilled in the Salt Springs area near Springhill, Cumberland County, between June 4 and Sept. 11, 1984. The purpose of drilling was for coal. All holes were drilled vertically and are located on Map Sheet 21H/09D. The surveyed locations of the holes are on file with the Nova Scotia Department of Mines and Energy (Fig. 6).

The coal seam measurements were obtained from the geologist who logged the holes. All other data are taken from the drillers' logs.



NTS 21H/09D

Figure 6. Salt Springs, Cumberland County.

Record No. 7672

Borehole No. SH-96 is in Tract 47, Claim Q.

Strata	Thickness (m)	Total Depth (m)
Overburden	7.5	7.5
Sandstone and shale	29.1	36.6
Shaly coal	0.1	36.7
Sandstone and shale	0.6	37.3
Shaly coal	0.5	37.8
Sandstone and shale	6.2	44.0
Shaly coal	1.0	45.0
Sandstone and shale	5.7	50.7

Coal	1.3	52.0
Sandstone and shale, coal stringer	94.0	146.0
Coal	0.7	146.7
Sandstone and shale	0.4	147.1
Shaly coal	0.5	147.6
Sandstone and shale	4.1	151.7
Shaly coal	0.6	152.3
Sandstone and shale	13.7	166.0
Shaly coal	0.5	166.5
Sandstone and shale	23.1	189.6
Coal	0.3	189.9
Sandstone and shale	5.7	195.6
Coal	0.1	195.7
Sandstone and shale	64.2	259.9
Siltstone, red	24.4	284.3

Record No. 7673

Borehole No. SH-97 is in Tract 48, Claim M.

Strata	Thickness (m)	Total Depth (m)
Overburden	9.0	9.0
Clay and shale, grey	7.9	16.9
Shaly coal	0.3	17.2
Shale	9.1	26.3
Coal	0.4	26.7
Shale	8.0	34.7
Coal	1.2	35.9
Shale	66.0	101.9
Shaly coal	0.3	102.2
Shale	26.5	128.7
Coal	0.6	129.3
Shale	10.2	139.5
Coal and coaly shale	1.0	140.5
Shale and siltstone	2.5	143.0
Shaly coal	0.3	143.3
Shale and siltstone	40.8	184.1
Shaly coal	0.1	184.2
Shale and siltstone	8.0	192.2
Coal	0.2	192.4
Shale and siltstone	24.6	217.0
Shale and siltstone, red beds	37.0	254.0

Record No. 7674

Borehole No. SH-98 is in Tract 48, Claim N.

Strata	Thickness (m)	Total Depth (m)
Overburden	6.0	6.0
Sandstone and shale, grey	53.0	59.0

Sandstone, siltstone and shale, grey	40.8	99.8
Coal	1.1	100.9
Shale and clay, grey	6.3	107.2
Coal	0.4	107.6
Shale and siltstone, black and grey	80.7	188.3
Shaly coal	0.6	188.9
Shale and siltstone, grey and black	13.8	202.7
Coal and coaly shale	0.6	203.3
Shale, black	2.7	206.0
Shaly coal	0.5	206.5
Shale and sandstone, grey	24.5	231.0
Sandstone and soft, red mudstone	25.0	256.0

Record No. 7675

Borehole No. SS-8 is in Tract 49, Claim C.

Strata	Thickness (m)	Total Depth (m)
Overburden	6.7	6.7
Sandstone, siltstone, clay, mudstone, grey and red	67.1	73.8
Shaly coal	0.8	74.6
Sandstone and mudstone, grey	5.6	80.2
Coal, very shaly	0.6	80.8
Mudstone, sandstone and shale	52.5	133.3
Coal	2.3	135.6
Shale and siltstone, grey	2.3	137.9
Coal, very shaly	1.3	139.2
Siltstone and shale, grey	2.1	141.3
Coal, very shaly	1.0	142.3
Siltstone, shale, mudstone and sandstone, grey	58.7	201.0
Sandstone, grey	14.0	215.0
Mudstone, grey and reddish brown	21.0	236.0
Siltstone, mudstone and sandstone, grey and red	18.0	254.0

ROSLIN, CUMBERLAND COUNTY

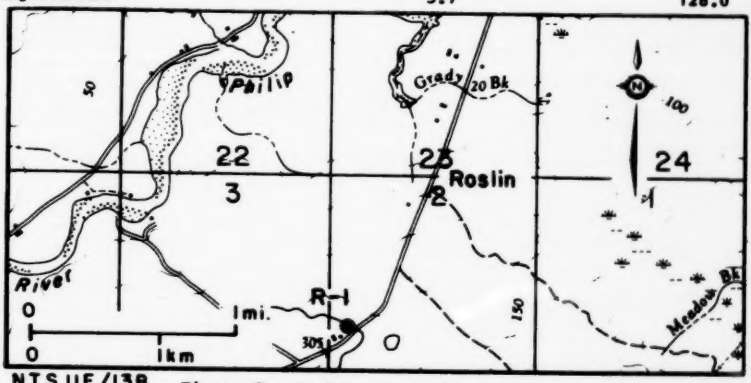
The drill was moved from Springhill to Roslin, Cumberland County. One hole was drilled vertically to a depth of 128 m. The purpose of drilling was for coal. The hole was completed on October 8, 1984. It is located on Map Sheet 11E/13B. The surveyed location of the hole is on file with the Nova Scotia Department of Mines and Energy (Fig. 7).

Record No. 7676

Borehole No. R-1 is in Tract 2, Claim D.

Strata	Thickness (m)	Total Depth (m)
Overburden	3.0	3.0

Sandstone, grey	30.0	33.0
Mudstone, grey	18.5	51.5
Coal, dirty	0.1	51.6
Sandstone, mudstone, shale bands of conglomerate, grey	41.7	93.3
Coal, dirty	0.4	93.7
Sandstone, grey	22.3	116.0
Conglomerate	5.8	121.8
Coal, dirty	0.5	122.3
Conglomerate	5.7	128.0



NTS 11E/13B Figure 7. Roslin, Cumberland County.

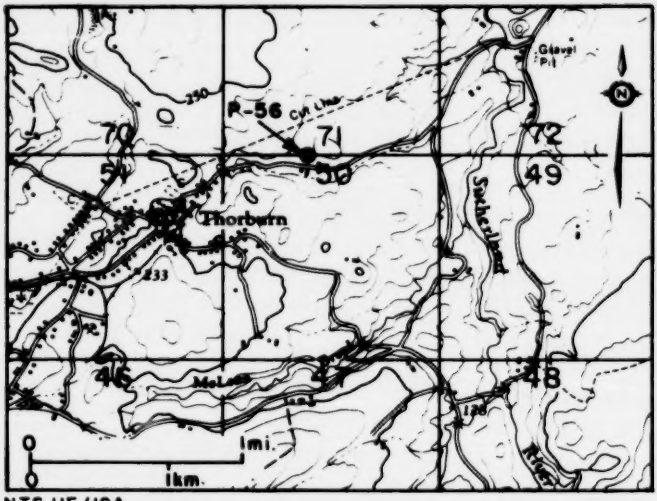
THORBURN, PICTOU COUNTY

From Sept. 27 to 28, 1984 one hole was drilled at Thorburn, Pictou County. The hole was drilled vertically to a depth of 29.9 m. The purpose of drilling was for coal and structural information. The hole is located by Map Reference 11E/10A, Tract 50, Claim O. The surveyed location of the hole is on file with Nova Scotia Department of Mines and Energy (Fig. 8). All data are from a geologist's log.

Record No. 7677

Borehole No. P-56.

Strata	Thickness (m)	Total Depth (m)
Overburden	8.5	8.5
Mudstone, dark grey, broken	4.5	13.0
Coal (St. Lawrence seam)	3.8	16.8
Mudstone, dark grey	9.2	26.0
Mudstone, red	3.9	29.9



NTS 11E/10A

Figure 8. Thorburn, Pictou County.

ST. ROSE, INVERNESS COUNTY

Drilling for coal was done at St. Rose, Inverness County from February 24 to September 13, 1984. Eight holes were drilled vertically. The holes are located on Map sheet 11K/06A. The surveyed locations of the holes are on file with the Nova Scotia Department of Mines and Energy (Fig. 9).

The following are condensed geologists' logs.

Record No. 7678

Borehole No. SR-6 is in Tract 88, Claim D.

Strata	Thickness (m)	Total Depth (m)
Overburden	5.0	5.0
Mudstone, limy in part	64.0	69.0
Muddy limestone	4.0	73.0
Interbedded sandstone and mudstone	34.0	107.0
Sandstone	60.0	167.0
Interbedded sandstone and mudstone	25.0	192.5

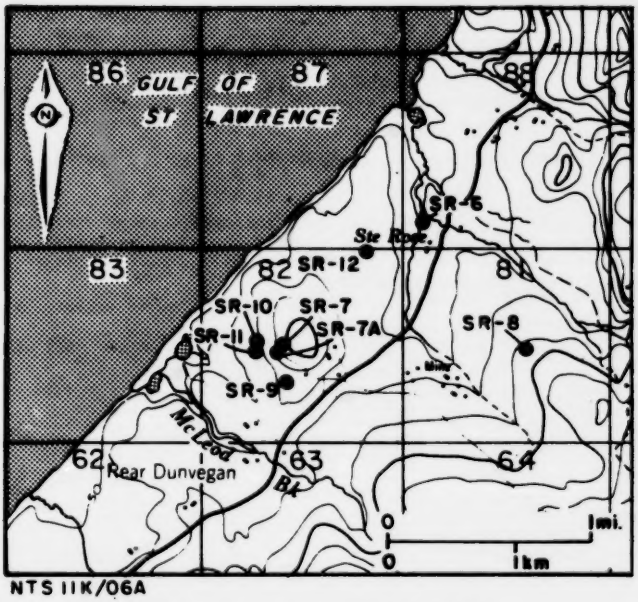


Figure 9. St. Rose, Inverness County.

Record No. 7679

Borehole No. SR-7 is in Tract 82, Claim F.

Strata	Thickness (m)	Total Depth (m)
Overburden	14.6	14.6
Mudstone, black, soft	7.4	22.0
Siltstone, sandy in part	11.0	33.0
Sandstone, massive, porous	10.5	43.5
Mudstone	7.5	51.0
Sandstone, silty	3.0	54.0
mudstone	10.0	64.0
Sandstone	18.0	82.0
Mudstone, coaly in part	4.5	86.5

Record No. 7680

Borehole No. SR-7A, Tract 82, Claim F.

Strata	Thickness (m)	Total Depth (m)
Triconed, no core	62.0	62.0
Mudstone	1.0	63.0
Sandstone	19.0	82.0
Muddy siltstone, carbonaceous, coaly in part, limy in part	13.0	95.0
Sandstone	13.0	108.0
Interbedded mudstone, sandstone and minor coaly shale	44.0	152.0
Interbedded mudstone, sandstone and minor coaly shale	20.0	172.0
Sandstone	4.0	176.0
Interbedded mudstone, sandstone, limy in part	12.0	188.0
Sandstone	6.0	194.0
Muddy siltstone	7.0	201.0
Sandstone	8.0	209.0
Mudstone, grading to fossiliferous limestone at roof of seam	4.8	213.8
Coal (No. 5 seam)	1.8	215.6
Mudstone, sandy with depth	7.4	223.0

Record No. 7681

Borehole No. SR-8 is in Tract 81, Claim G.

Strata	Thickness (m)	Total Depth (m)
Overburden	11.0	11.0
Mudstone, limy in part	129.0	140.0
Sandstone	12.0	152.0
Mudstone	16.0	168.0
Sandstone	7.0	175.0
Mudstone	6.0	181.0

Record No. 7682

Borehole No. SR-9 is in Tract 82, Claim F.

Strata	Thickness (m)	Total Depth (m)
Overburden	20.0	20.0
Silty mudstone, coaly in part, limy in part, with minor sandstone interbeds	112.0	132.0
Silty sandstone	12.0	144.0

Limy mudstone, fossiliferous	6.2	150.2
Coal (No. 5 seam)	1.8	152.0
Mudstone, coaly in part, grades to siltstone	8.0	160.0

Record No. 7683

Borehole No. SR-10 is in Tract 82, Claim L.

Overburden	42.0	42.0
Sandstone, grey, broken, oxidized	17.0	59.0
Siltstone, sandstone, mottled	4.5	63.5
Mudstone, soft, semi-consolidated	5.0	68.5
Gypsum	14.0	82.5
Siltstone, reddish brown to green	14.5	97.0

Record No. 7684

Borehole No. SR-11 is in Tract 82, Claim P.

Strata	Thickness (m)	Total Depth (m)
Overburden	12.0	12.0
Sandstone, grey, broken	34.5	46.5
Interbedded silty mudstone and silty sandstone	29.5	76.0
Sandstone, silty in part	21.0	97.0
Sandstone, fine grained to silty	21.0	118.0
Interbedded sandstone and siltstone	22.0	140.0
Mudstone, carbonaceous	1.5	141.5
Coal, shaly, badly broken	3.5	145.0
Mudstone, silty, coaly in part	19.0	164.0
Sandstone	3.0	167.0

Record No. 7685

Borehole No. SR-12 is in Tract 82, Claim Q.

Strata	Thickness (m)	Total Depth (m)
Overburden	24.0	24.0
Mudstone, limy in part	15.0	39.0
Sandstone	20.0	59.0
Muddy siltstone, minor coaly sections	37.5	96.5
Sandstone	9.0	105.5
Mudstone containing coal	19.5	125.0
Sandstone	34.0	159.0
Interbedded siltstone, sandstone and minor coal	36.0	195.0
Sandstone	4.0	199.0
Interbedded mudstone and siltstone, minor shell beds	28.0	227.0

Sandstone	7.0	234.0
Interbedded mudstone and siltstone, limy in part, shells	18.0	252.0
Coal No. 5 seam	2.3	254.3
Mudstone, carbonaceous in part	4.7	259.0

APPENDIX I

RECORD OF DRILLHOLES

BY

RECORD NUMBER

Record No.	Date of Boring	Object of Boring	Location of Borehole	Depth	
				Feet	Metres
7666	1984	Carboniferous studies	Kempt Head, Victoria County		946.2
7667	1984	Carboniferous studies	Point Edward, Cape Breton County		448.5
7668	1984	Carboniferous studies	Woodbine Road, Cape Breton County		619.2
7669	1984	Celestite	Woodbine Road, Cape Breton County		153.0
7670	1984	Geological information	College Grant, Antigonish County		288.0
7671	1984	Geological information	Clarksville, Hants County		646.5
7672	1984	Coal	Salt Springs, Cumberland County		284.3
7673	1984	Coal	Salt Springs, Cumberland County		254.0
7674	1984	Coal	Salt Springs, Cumberland County		256.0
7675	1984	Coal	Salt Springs, Cumberland County		254.0
7676	1984	Coal	Roslin, Cumberland County		128.0
7677	1984	Coal	Thorburn, Pictou County		29.9
7678	1984	Coal	St. Rose, Inverness County		192.5
7679	1984	Coal	St. Rose, Inverness County		86.5
7680	1984	Coal	St. Rose, Inverness County		223.0
7681	1984	Coal	St. Rose, Inverness County		181.0
7682	1984	Coal	St. Rose, Inverness County		160.0
7683	1984	Coal	St. Rose, Inverness County		97.0
7684	1984	Coal	St. Rose, Inverness County		167.0
7685	1984	Coal	St. Rose, Inverness County		259.0

APPENDIX II

RECORD OF DRILLHOLES

BY

CLAIM MAP

RECORD OF DRILLHOLES BY CLAIM MAP

Claim Map 11E/04B

Location of Drillhole(s): Clarksville, Hants County
Drilling Objective: Geological Information

Tract 75 Claim(s) E Record Number(s) 7671

Claim Map 11E/08D

Location of Drillhole(s): College Grant, Antigonish County
Drilling Objective: Geological Information

Tract 21 Claim(s) L Record Number(s) 7670

Claim Map 11E/10A

Location of Drillhole(s): Thorburn, Pictou County
Drilling Objective: Coal

Tract 50 Claim(s) O Record Number(s) 7677

Claim Map 11E/13B

Location of Drillhole(s): Roslin, Cumberland County
Drilling Objective: Coal

Tract 2 Claim(s) D Record Number(s) 7676

Claim Map 11K/01A

Location of Drillhole(s): Woodbine Road, Cape Breton County
Drilling Objective: Carboniferous Studies

Tract 13 Claim(s) Q Record Number(s) 7668

Claim Map 11K/01B

Location of Drillhole(s): Woodbine Road, Cape Breton County
Drilling Objective: Celestite and Carboniferous Studies

Tract 1 Claim(s) P Record Number(s) 7669

Claim Map 11K/01D

Location of Drillhole(s): Point Edward, Cape Breton County
Drilling Objective: Carboniferous Studies

Tract 60 Claim(s) J Record Number(s) 7667

Claim Map 11E/02A

Location of Drillhole(s): Kemp Head, Victoria County
Drilling Objective: Carboniferous Studies

Tract 66	Claim(s)	P	Record Number(s)	7666

Claim Map 11E/06A

Location of Drillhole(s): St. Rose, Inverness County
Drilling Objective: Coal

Tract 81	Claim(s)	G	Record Number(s)	7681
Tract 82	Claim(s)	F	Record Number(s)	7679,7680,7682, 7684
		L		7683
		Q		7685
Tract 88	Claim(s)	D	Record Number(s)	7678

Claim Map 21E/09D

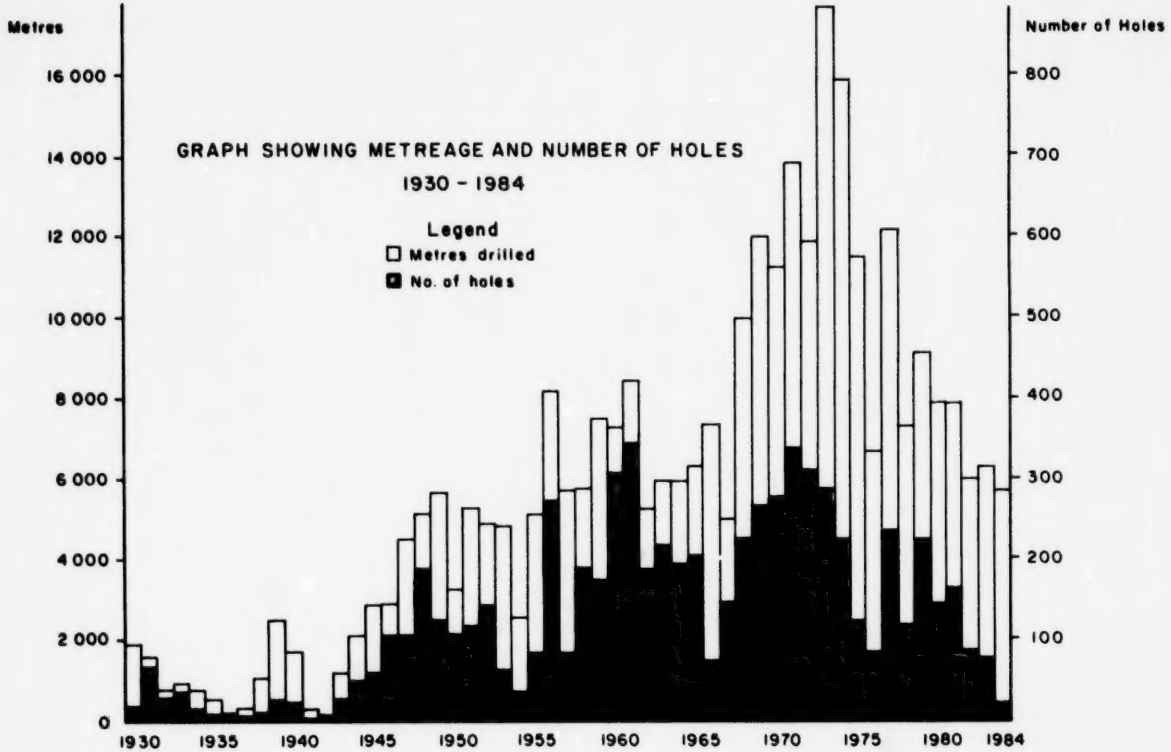
Location of Drillhole(s): Salt Springs, Cumberland County
Drilling Objective: Coal

Tract 47	Claim(s)	Q	Record Number(s)	7672
Tract 48	Claim(s)	M	Record Number(s)	7673
		N		7674
Tract 49	Claim(s)	C	Record Number(s)	7675

APPENDIX III

SUMMARY OF DRILLING

(1930 - 1984)


Metres
16 000
14 000
12 000
10 000
8 000
6 000
4 000
2 000
0
Number of Holes
800
700
600
500
400
300
200
100
GRAPH SHOWING METREAGE AND NUMBER OF HOLES
1930 - 1984
Legend
Metres drilled
No. of holes
1930
1935
1940
1945
1950
1955
1960
1965
1970
1975
1980
1984

Year	No. of Holes	Feet	Metres	Year	No. of Holes	Feet	Metres
1930	18	6,158	1 877	1958	189	18,902	5 761
1931	64	5,235	1 595	1959	171	24,548	7 482
1932	24	2,521	768	1960	307	23,746	7 238
1933	31	3,026	922	1961	343	27,590	8 409
1934	13	2,510	765	1962	187	17,104	5 213
1935	7	1,681	512	1963	216	19,497	5 943
1936	8	476	145	1964	191	19,574	5 958
1937	3	872	266	1965	204	20,690	6 306
1938	9	3,397	1 035	1966	73	24,012	7 319
1939	23	8,097	2 468	1967	145	16,135	4 918
1940	21	5,501	1 677	1968	224	32,659	9 954
1941	2	781	238	1969	265	39,158	11 935
1942	4	429	131	1970	276	36,754	11 202
1943	26	3,811	1 162	1971	337	45,388	13 834
1944	48	6,712	2 046	1972	310	38,830	11 835
1945	60	9,386	2 861	1973	285	57,875	17 640
1946	104	9,393	2 863	1974	223	52,047	15 863
1947	103	14,846	4 525	1975	122	37,623	11 467
1948	188	16,957	5 168	1976	81	21,858	6 662
1949	124	18,494	5 637	1977	234	39,866	12 151
1950	102	10,510	3 203	1978	118	23,836	7 265
1951	115	17,317	5 278	1979	223	29,831	9 092
1952	141	16,095	4 905	1980	142	25,943	7 907
1953	61	15,852	4 832	1981	161	25,806	7 866
1954	34	8,413	2 564	1982	85	19,617	5 979
1955	84	16,769	5 111	1983	76	20,587	6 275
1956	273	26,847	8 183	1984	20	18,614	5 673
1957	84	18,716	5 705				